

WELL LOG

Operator Harry C. Long, Operator Field Valencia County, New Mexico GM

Well No. "Delios" 1 Sec. 32, T. 7N, R. 1E, N.M.P. MB&M

Location: SE/4 NE/4 (Exact location not known)

Commenced drilling deepening April 11, 1952 Elev. of ground above sea level Not known Ft.

Completed Drilling May 6, 1952 All depth measurements taken from top of _____ which is _____ ft. above ground.

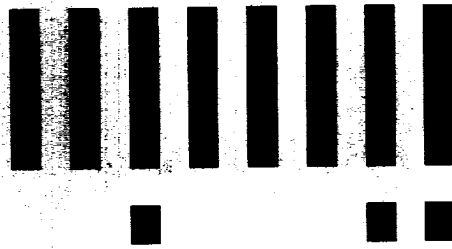
Condition of well as of: May 6, 1952
10-3/4" casing cemented 191'
Total depth 6091'

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date _____

Signed *Alex J. Wapshoret*
ALEX J. WAPSHORET, REGISTERED

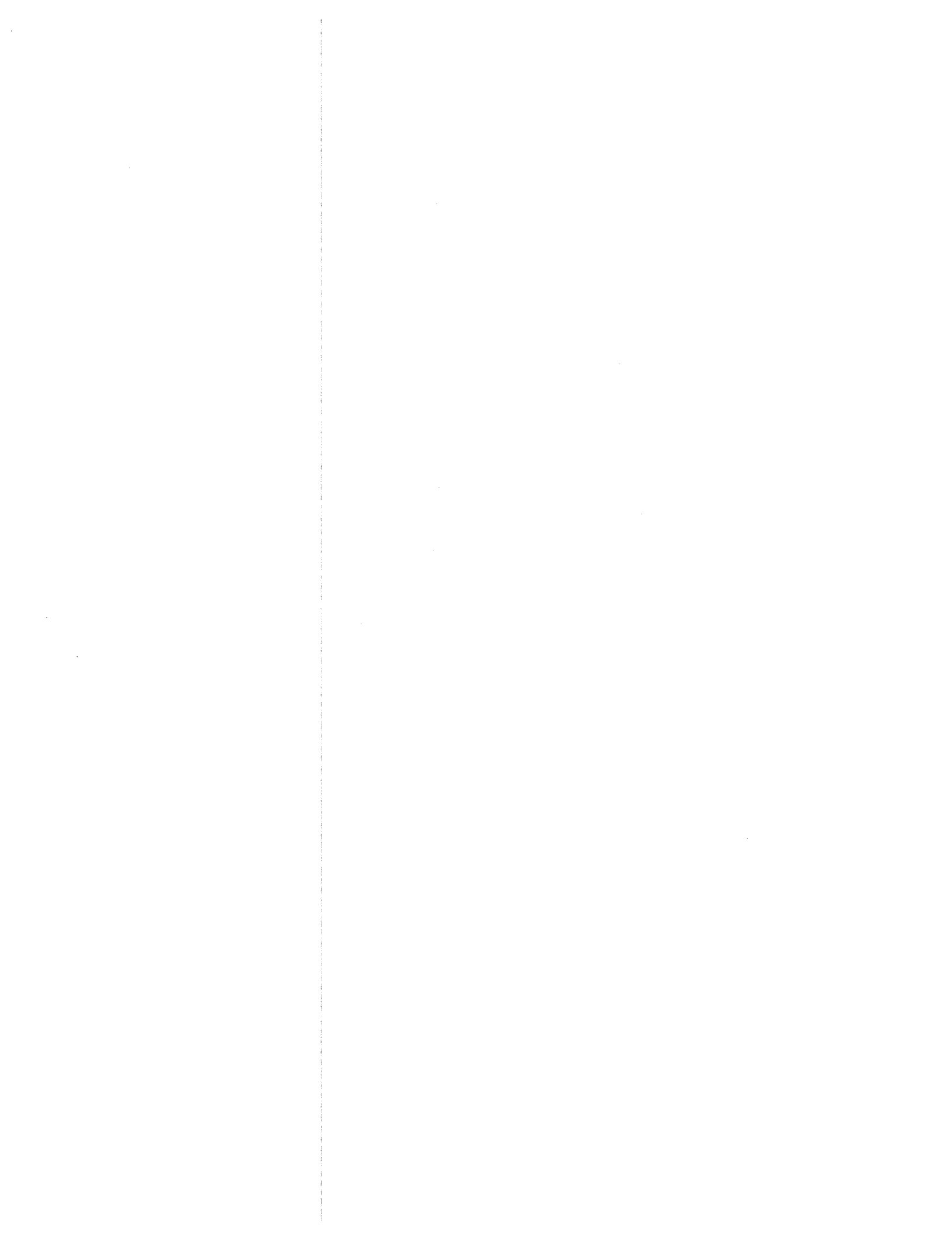
Date	Bottom of Formation	DESCRIPTION
April 1, 1952	191	Well taken over from Sunol Co. with 11-3/4" casing standing cemented at 191'
	191	Repaired and rigged up rotary tools
11		Ran drill pipe and located top of cement in surface casing at 170'. Tested S.O.P. equipment
12		Drilled out cement 170 - 225. Began drilling 9-7/8" hole
	576	Sand and gravel
13	1047	Sand and gravel with streaks of lava
		Changed bit No. 2 at 610'. Drilled bit No. 2
14	1425	Shale, chert, streaks of lava. Drilled bit No. 3
	1500	Shale, streaks of lava. Drilled bit No. 1
15	1610	Shale and chert. Drilled bit No. 2
16	1627	Repaired rig
17	1630	
18	-	Repaired rig 22 hours. Run bit no. 4, conditioned mud 4 hours
	1705	Shale sand
19	2121	Sand and lava. Drilled bit No. 4 at 2086



LTR



Job separation sheet



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Well No. W-111111 Sec. 32, T. 7N, R. 1E, N.M. P.M.B. & M.M.

Date	Bottom of Formation	DESCRIPTION
April 19, 1912		Lost circulation at 2131'. Bit No. 7
20	2131	Mixed mud to regain circulation
21		Mixed mud for 16 hours. Bit No. 8
	2169	Lava and hard sand. Losing circulation
22		Pulled Bit no. 8. Ran 9.
	2229	Lava and limestone. Circulation good. Ran Bit No. 10
23	2264	Lava. Ran Bit 11
	2548	Sand. Losing circulation
24	2594	Sand and clay. Pulled Bit No. 11
		Hard sand. Lost circulation. Pulled No. 11
	2883	Sand and lava. Re-ran Bit No. 7. 2594 to 2883
25	3323	Hard sand. Bit No. 12 2883 to 3307
26	3529	Sand and shale. Bit No. 13 3307 to 3529. 322 feet
		Losing a little circulation
27	3714	Very hard lime and lava. Re-ran Bit No. 8
	3822	Sand, lava and lime. Pulled Bit No. 8. Made 199' from 3529 to 3822. Lost some circulation
		Ran Bit No. 14 at 3823'
	3949	Sand, lava and lime
28	4177	Sand, lime and lava
	4275	Sand and lime. Pulled Bit No. 14. Made 497' from 3822 to 4275. Ran bit No. 15 at 4275'
		Lost circulation at 4275' and reworked
29	4375	Sand and lime. Bit No. 15 4275 - 4375 made 100'
30		Began casing 8-1/2" hole
		Cave No. 1 4375 - 4385 Rec. 9 of 10'
	4381	6' Clay, reddish brown with some blue-green mottling, tough to brittle, massive, silty, faintly micaceous
	4383	2' Sand, reddish brown, very friable, clayey, silty, medium grained, well sorted, fairly well rounded. Poor P & P
		1' Clay as above

ILLEGIBLE